

97-255448/23	B07	NIOF 95.09.20	*JP 09087168-A	B(4-B1B, 5-B1P, 12-M11F) .3	
NIPPON OILS & FATS CO LTD	95.09.20 95JP-241488 (97.03.31) A61K 9/127, 9/107, 47/24, 47/28			Mixed lipid(s) for liposome and their homogeneous dispersions - prepared by dissolving liposome precursor in organic solvent adding water, removing solvent and lyophilisation C97-082281	good quality.
				Mixed lipids for liposome are prepared by (1) dissolving liposome constructing material in a homogeneous solvent containing a water insoluble volatile organic solvent, (2) addition of water or aqueous solution, (3) distilling off the organic solvent with stirring, and (4) lyophilisation of residual liposome membrane constructing mixed dispersion.	In an example, a mixture of 2.89g of dimyristoyl phosphatidyl choline, 3.13g of dipalmitoyl phosphatidyl choline, 3.30g of cholesterol and 0.68g of sodium palmitate was dissolved in 100 ml of a mixed solvent of CHCl <sub>3</sub> :MeOH:water at a ratio of 80:18:2. The mixture was mixed with 200 ml of distilled water for injection, and evaporated to remove organic solvents with stirring. The resultant pasty mixt. homogeneously dispersed in water to give a viscous liquid which was lyophilised to give white powder of mixed lipid for liposome. (7pp079DwgNo.0/0)
				The liposome membrane comprises phospholipid component and sterol. The phospholipid contains phosphatidyl-glycerol. The liposome membrane comprises fatty acid salt and liposome is dispersed in liquid prepared by dispersion of the mixed lipids for liposome in aqueous solution.	
<u>ADVANTAGE</u>	Homogeneous dispersion of mixed lipid provides liposome with				JP 09087168-A